



# Industry Outreach Meeting

16 April 2009



## UDOT Leadership Team

**Dal Hawks** | Project Director

**Todd Jensen** | Project Deputy Director

**Merrell Jolley** | Engineering Director

**Max Ditlevsen** | Systems Director

## **Project Management**

- John Bourne
- David Downs

## **Design Services**

- Dan Dixon
- Brian Atkinson
- Laren Livingston

## **Communications**

- Nile Easton
- Dave Smith
- Chris Thomas
- Heather Barnum
- Melita Stringham

## Outline of Presentation

**Project Delivery Overview – Dal Hawks**

**Environmental Status – Merrell Jolley**

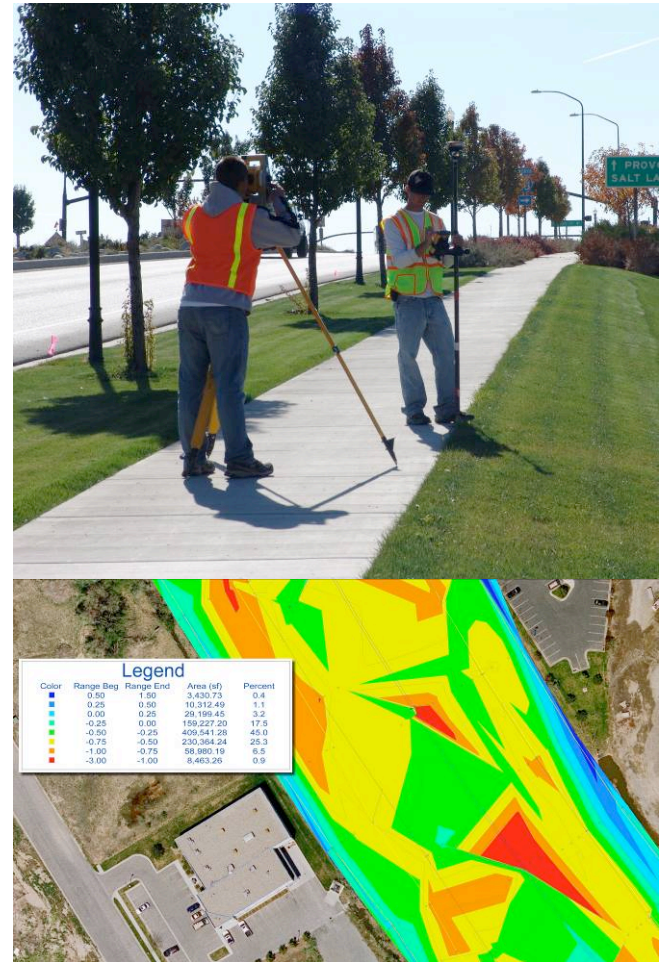
**Risk Management Summary – Dan Dixon**

**Public Involvement Overview – David Smith**

**Questions and Answers – Dal Hawks**

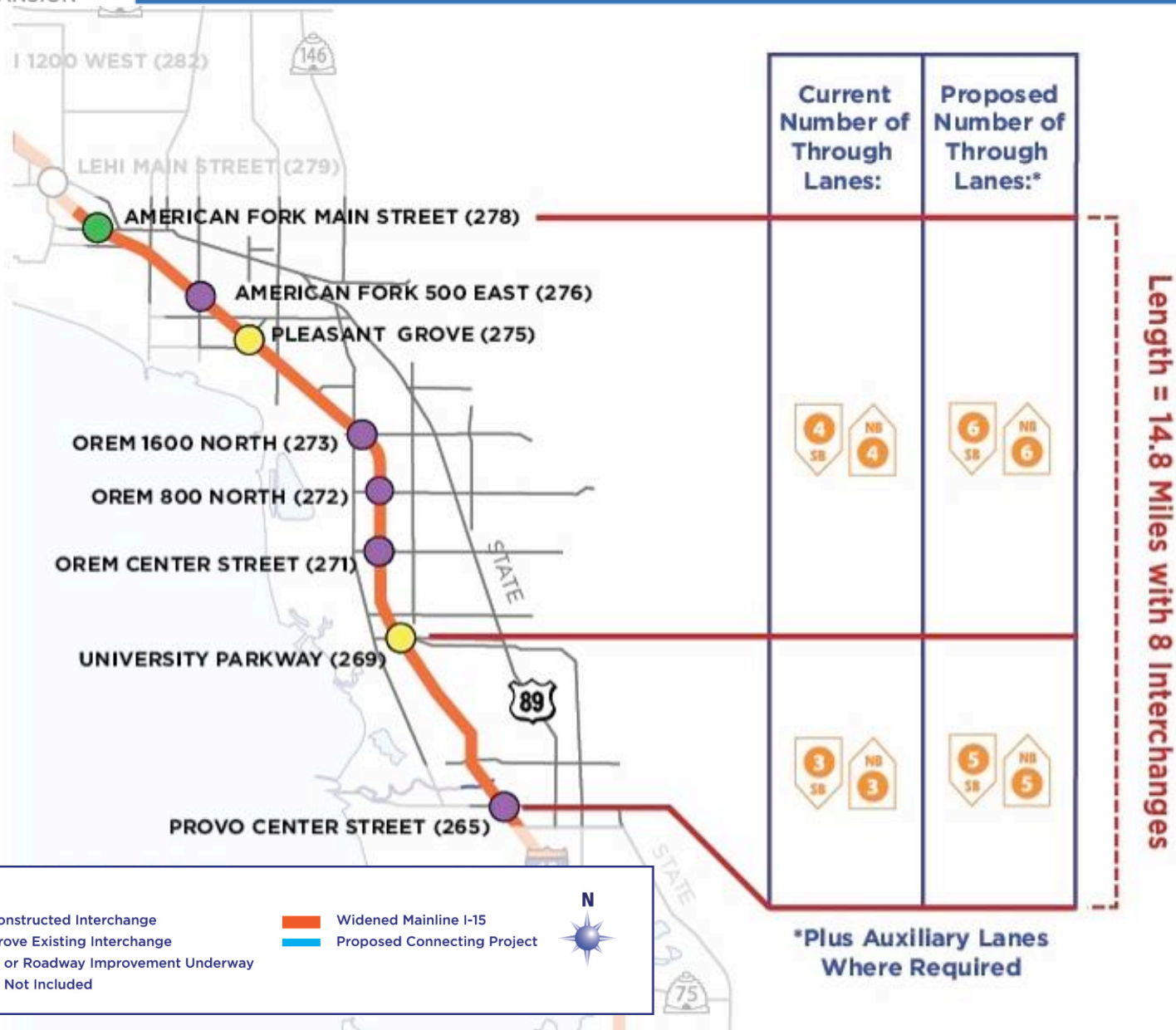
## 2008 to 2009 Progress

- Environmental Impact Statement and Record of Decision
- Survey
- Geotechnical
- Roadway and structure design
- Utilities
- Right-of-way (ROW) acquisition
- Local coordination
- Design-build procurement and cost estimating
- American Fork Main St. Interchange



- \$1.725 billion
  - American Fork Main St. Interchange
  - Engineering
  - ROW
  - Design-Build Contract: \$1.25 to 1.35 B

## Expansion from American Fork to Provo



## Fixed Price/Best Design Approach

- Proposers develop highest-value solution for fixed design-build budget
- Encourage creative, innovative solutions
- Proposals evaluated on meeting or exceeding defined criteria
  - Project goals and values
  - Selection criteria
  - Pass/Fail elements



- Scope
  - Priority: improvements from American Fork Main St. to Provo Center St.
  - Infrastructure consistent with EIS cross-section
  - Extended improvements to Spanish Fork
  - Logical, smooth transitions

- Pavement and Bridges
  - Concrete in high-traffic volume areas and on mainline reconstruction
  - Replacement of deficient structures
  - Reuse of existing pavement and fill
  - Maximized design-life

- Maintenance of Traffic
  - Maintaining regional mobility
  - Minimizing full and partial closures
  - Maintaining access to businesses and residents

- Schedule
  - Timely completion
  - Regional mobility during construction
  - Early partial completion if justified by benefits

- Public Trust
  - Timely, responsive, accurate information
  - Strong, collaborative partnerships with the community
  - Completion of public commitments

## Procurement Schedule

- RFQ release ([www.i15core.utah.gov](http://www.i15core.utah.gov)): Apr 16
- Submitted SOQs: May 15
- Short list of design builders: May 29
- Draft RFP: Jun 1
- Final RFP: Aug 18
- Submitted proposals: Nov 19
- Design builder selection: December
- Construction start: Spring 2010

- Key items outlined in RFQ:
  - Stipend: \$1.5 M
  - Bonding requirements
    - o Proposal bond: 5% of contract amount
    - o Payment bond: \$500 M
    - o Performance bond: \$500 M
  - Insurance requirements: OCIP
  - Fixed-price amount: \$1.25 to 1.35 B

## Pass/Fail Evaluation Factors

- Legal
- Financial
- Proposal Responsiveness





## Technical Evaluation Factors

- Organization and key managers (40 points)
  - Project Sponsor
  - Project Manager
  - Construction Manager
  - Design Manager
  - MOT Manager
  - Third Party Manager
  - Structures Design Manager
  - QA Manager
  - Lead Scheduler
- Experience of Firms (40 points)
- Past Performance (20 points)

- Issue draft RFP: June 1
- Begin one-on-one discussions with shortlisted teams
  - Proposers present Alternative Technical Concepts and solutions
  - Accept feedback and input on draft RFP
  - Provide timely response to questions
- Commitment to confidentiality

## I-15 CORE Exclusive Team

- UDOT
- HNTB
- Golder Associates
- Horrocks Engineers
- Intrepid
- K Cartwright Associates (KCA)
- Nossaman, LLP
- Penna Powers Brian Haynes (PPBH)
- Charlotte Robinson
- Stanton Constructability Services
- RB&G Engineering
- Westby Consulting, LLC
- Stein Consulting, LLC

## Project Management and Oversight

- Value strong partnering relationships between I-15 CORE and design builder teams
- Anticipate co-location of project management team



## Recent State Legislation

- SB81 Illegal Immigration
  - Requires contractors to certify that they are registered with and participate in the E-Verify system to verify legal status of employees (effective 1 July 2009)
- HB331 Health Reform
  - Contractor must certify that health coverage is provided for employees during duration of contract



# Environmental Status

Merrell Jolley | Engineering Director





## Environmental Status

- EIS completed; ROD signed Aug 2008
- 404 permit received Nov 2008
- Impacts will be mitigated at the wetland bank



**I-15**  
CORRIDOR  
UTAH COUNTY -  
SALT LAKE COUNTY

**Record of  
Decision**

August 2008

U.S. Department of Transportation  
**Federal Highway  
Administration**

IM-NH-15-6(149)245E  
FHWA-UT-EIS-07-01-F

## Environmental Status

- Contractor required to adhere to environmental commitments
- Re-evaluation in process
- Noise walls will be required





# Risk Management Summary

Dan Dixon | Design Services Manager



## Design and Risk Management Efforts

- Analyze and verify traffic information
  - Determine lane transition requirements
- Determine project footprint
  - Design criteria
  - Design exceptions
  - UDOT is acquiring ROW

## Design and Risk Management Efforts

- Improve mapping accuracy
- Perform preliminary geotechnical investigations
- Develop drainage outfall agreements
- Coordinate Advanced Traffic Management Systems (ATMS), e.g. Pioneer Crossing, Electronic Tolling
- Assess MOT parameters
  - Mainline and Interchange restrictions
  - 2010 TDM as common basis of assessment

## Design and Risk Management Efforts

- Assess utility assets and potential conflicts
- Secure master agreements with:
  - Railroad companies
  - Cities
  - Utility and irrigation companies
- Complete FHWA preconstruction requirements

## Information Availability

- Website: [www.i15core.utah.gov](http://www.i15core.utah.gov)
- Preliminary design documents and files
  - Released February 9
  - Release of updated and new files in late April
- Technical meeting with shortlisted teams:  
June 5



# Public Involvement

Dave Smith | Communications Director



## Public Involvement Goals and Guiding Principles

- Uphold the public trust
- Complete public commitments
  - Avoid surprises
- UDOT will take primary responsibility for public communications



# RFQ Questions and Answers

Dal Hawks | Project Director





## For More Information:

**Phone:**  
1-888-i15core  
(1-888-415-2673)

**Email:**  
i15core@utah.gov

**Website:**  
www.i15core.utah.gov

The screenshot displays the Utah County C15RE website. At the top, there is a navigation bar with links for "UTAH.GOV SERVICES" and "AGENCIES", along with a search bar. Below this is a yellow banner for the Utah Department of Transportation (UDOT) with the text "Click here to visit the UDOT Web site." The main header features the "UTAH COUNTY C15RE CORRIDOR EXPANSION" logo and a navigation menu with links: "Home", "Project Information", "Getting Around", "Progress", "Business Access", and "Employers".

On the left side, there is a "Quick Links" section with the following items:

- Project Schedule
- FEIS and ROD
- Right-of-Way FAQs
- CommuterLink
- Comment

Below the quick links is a "Map of Area" section showing a map of the I-15 corridor. Further down is a "Related Projects" section with links to "Mountain View Corridor" and "Access Utah County".

The main content area features a large image of a highway interchange. Below the image is a headline: "LEGISLATURE AUTHORIZES \$1.725 B FOR I-15 CORE". The text below the headline states: "The revenue and bonding package authorized during the 2009 legislative session allows for a \$1.725 billion reconstruction of I-15 from American Fork to Provo." It continues with: "We will tackle an aggressive timeline of actively planning, designing, collaborating with communities and working to select the right contractor team for I-15 CORE by the end of the year. Construction will begin in late spring or early summer 2010." Another paragraph reads: "We are grateful for the trust placed in UDOT to rebuild and expand one of Utah's most vital corridors and we are confident we can deliver a valuable transportation solution. We support the governor and legislature in recognizing the importance of investing in transportation and the impact it can have to support a recovering economy."

On the right side, there are two red boxes. The top one is titled "Construction Hot Spots" and contains the text: "Construction of the American Fork Main Street interchange will begin in 2009 in conjunction with Pioneer Crossing, part of Access Utah County. The improvements to the interchange will be funded through I-15 CORE." The bottom one is titled "CommuterLink Crash Alerts" and contains the text: "Don't become part of the pile up! Click here to access live".

At the bottom of the page, there is a link for "CommuterLink Cameras".